

Title (en)
LOW THERMAL RESPONSE TIME SURFACE ACOUSTIC WAVE PRESSURE SENSORS

Publication
EP 0192903 A3 19880413 (EN)

Application
EP 85402446 A 19851210

Priority
• US 68771584 A 19841231
• US 68771684 A 19841231

Abstract (en)
[origin: EP0192903A2] Disclosed is an externally loaded pressure sensor using a pair of SAW devices formed on the wall of an interior cavity. The difference frequency of these devices is used as a temperature-compensated measure of hydrostatic pressure on the sensor exterior. The cavity wall immediately adjacent the long sides of at least one of the SAW devices is rounded, to improve pressure sensitivity without unacceptable increase in stresses or other adverse effects. In a given embodiment the cavity wall immediately adjacent the long sides of at least one of the SAW devices is rounded, to improve pressure sensitivity without unacceptable increase in stresses or other adverse effects.

IPC 1-7
G01L 9/08

IPC 8 full level
G01L 9/00 (2006.01)

CPC (source: EP)
G01L 9/0025 (2013.01)

Citation (search report)
[AD] EP 0107549 A2 19840502 - SCHLUMBERGER LTD [US], et al

Cited by
EP1325296B1

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EP 85402446 A 19851210; BR 8506344 A 19851218; DE 3583802 T 19851210; ES 296829 U 19851230; MX 94285 A 19851213; NO 855194 A 19851220; OA 58757 A 19851231